

	Hits	Search Text	DBs
1	289	butyrate and (urokinase or upa!)	USPAT; US-PGPUB; EPO; JPO; DERWENT
2	30	(butyrate and (urokinase or upa!)) and (sodium adj butyrate)	USPAT; US-PGPUB; EPO; JPO; DERWENT
3	3	butyrate near20 (urokinase or upa!)	USPAT; US-PGPUB; EPO; JPO; DERWENT
4	325	435/215.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT
5	15	435/215.ccls. and (ion and benzamidine)	USPAT; US-PGPUB; EPO; JPO; DERWENT
6	0	arini.in. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
7	2494	(urokinase or upa!) and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
8	869	((urokinase or upa!) and purification) and (ion adj exchange)	USPAT; US-PGPUB; EPO; JPO; DERWENT
9	13	((urokinase or upa!) and purification) and (LMW and HMW)	USPAT; US-PGPUB; EPO; JPO; DERWENT
10	558	((urokinase or upa!) and purification) and (NaCl or (sodium adj chloride)) and ((sodium adj phosphate) or Na2PO4)	USPAT; US-PGPUB; EPO; JPO; DERWENT
11	123	((urokinase or upa!) and purification) and (NaCl or (sodium adj chloride)) and ((sodium adj phosphate) or Na2PO4)) and (hmw or (high adj molecular adj weight))	USPAT; US-PGPUB; EPO; JPO; DERWENT
12	128	urokinase.ab. and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
13	79	urokinase.ti. and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
14	25	urokinase and (SP adj sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
15	8	(urokinase and (SP adj sepharose)) and benzamidine	USPAT; US-PGPUB; EPO; JPO; DERWENT
16	335	435/215.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
17	26	435/215.ccls. and (benzamidine and sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
18	44	435/215.ccls. and ((low adj molecular weight) or lmw) and ((high adj molecular adj weight) or hmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
19	13	(435/215.ccls. and ((low adj molecular weight) or lmw) and ((high adj molecular adj weight) or hmw)) and benzamidine	USPAT; US-PGPUB; EPO; JPO; DERWENT
20	0	435/215.ccls. and (sp adj sepharose)	USPAT; US-PGPUB; EPO; JPO; DERWENT
21	2	4985362.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT
22	1	"4552760".PN.	USPAT
23	1	"4568544".PN.	USPAT
24	16	Mitsui.as. and (urokinase or upa)	USPAT; US-PGPUB; EPO; JPO; DERWENT
25	91	(urokinase or upa) near (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
26	7	((urokinase or upa) near (molecular adj weight)) and purification.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
27	1276	(plasminogen adj activator) and (ion adj exchange) and (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
28	25	((plasminogen adj activator) and (ion adj exchange) and (molecular adj weight)) and purification.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT
29	0	(plasminogen adj activator) near (ion adj exchange) and (molecular adj weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT
30	64	(tpa! near upa!) and plasminogen	USPAT; US-PGPUB; EPO; JPO; DERWENT
31	6	((urokinase or upa).ab. near (molecular adj weight)) and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
32	17	urokinase near20 (hmw or lmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
33	72	Abbokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
34	15	Abbokinase and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
35	59	abbott.as. and (abbokinase or urokinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT
36	8	abbott.as. and (abbokinase or lmw)	USPAT; US-PGPUB; EPO; JPO; DERWENT
37	5	abbott.as. and abbokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
38	0	abbott.as. and lmw-upa	USPAT; US-PGPUB; EPO; JPO; DERWENT
39	3	abbott.as. and lmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
40	15	abbokinase and purification	USPAT; US-PGPUB; EPO; JPO; DERWENT
41	24	urokinase and lmw and hmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
42	5761	urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
43	248	435/215.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
44	6	435/215.ccls. and urokinase and lmw and hmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
45	43	530/412.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
46	0	(530/416.ccls. and urokinase) and lmw	USPAT; US-PGPUB; EPO; JPO; DERWENT
47	31	530/416.ccls. and urokinase	USPAT; US-PGPUB; EPO; JPO; DERWENT
48	1	530/412.ccls. and urokinase.ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT
49	43	530/412.ccls. and (upa or urokinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT

	Hits	Search Text	DBs
50	4	530/412.ccls. and upa	USPAT; US-PGPUB; EPO; JPO; DERWENT
51	1	530/416.ccls. and upa	USPAT; US-PGPUB; EPO; JPO; DERWENT

09/405,692 SEARCH RESULTS/HISTORY

(FILE 'HOME' ENTERED AT 10:33:24 ON 20 AUG 2002)

FILE 'MEDLINE, AGRICOLA, CAPLUS, BIOSIS, EMBASE, WPIDS' ENTERED AT
10:33:34 ON 20 AUG 2002

L1 10 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L2 10 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L3 7 DUP REM L2 (3 DUPLICATES REMOVED)
L4 2123 S (UROKINASE OR UPA OR TC-UPA) AND (PURIFY OR PURIFICATION OR I
L5 155 S L4 AND ((ION (W) EXCHANGE) OR (CATION EXCHANGE))
L6 90 DUP REM L5 (65 DUPLICATES REMOVED)
L7 24 S L6 AND (MOLECULAR (W) WEIGHT)

FILE 'STNGUIDE' ENTERED AT 10:58:41 ON 20 AUG 2002

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Kinetic studies of three different molecular forms of urokinase for the activation of native human plasminogen.

Toki N, Takasugi S, Sumi H.

PubMed Services

The kinetic parameters of three different molecular forms of urokinase (UK) for the activation of native Glu-plasminogen were compared. The apparent Michaelis constant (K_m , app.) of each UK was almost of the same order of magnitude (31-38 μM), but the catalytic constants (k_c) were observed to be different: UKh (high molecular weight form, molecular weight 53,000), $2.4 \pm 0.2 \text{ s}^{-1}$; UK+ (low molecular weight form, molecular weight 33,000), $0.83 \pm 0.10 \text{ s}^{-1}$, and UKl (trypsin-digested form, molecular weight 36,000), $0.91 \pm 0.18 \text{ s}^{-1}$. The overall second order rate constant, k_c/K_m calculated for UKh was $7.7 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$, higher than for UKl ($2.2 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$) or UKt ($2.4 \times 10(4) \text{ M}^{-1} \text{ s}^{-1}$), indicating the possibility of a much higher degree of enzymatic specificity and efficiency.

Related Resources

PMID: 6788545 [PubMed - indexed for MEDLINE]

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1636-po-linux-gnu Jul 16 2002 16:34:53